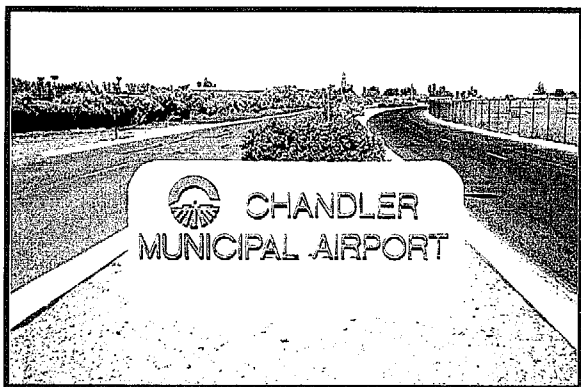


**CHANDLER MUNICIPAL AIRPORT
AIRPORT MASTER PLAN**

INTRODUCTION

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The Chandler Municipal Airport Master Plan is being financed through a cooperative effort by the City of Chandler and the Arizona Department of Transportation (ADOT), Aeronautics Division. This Airport Master Plan is a comprehensive study providing an analysis of airport needs, defining its role within the regional airport system, and evaluating alternatives with the purpose of providing direction for the future development of this facility.

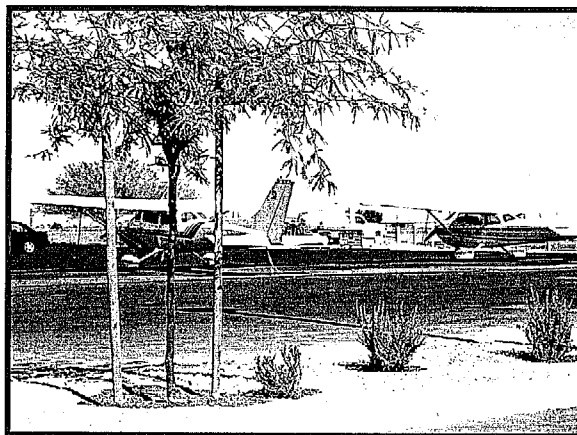
This Master Plan will replace the previous Master Plan which was completed in 1982. It is typical for communities to periodically update their Airport's Master Plan particularly in view of the dramatic changes occurring in both the aviation industry and in the Phoenix Metropolitan Area.

The commitment to conduct this Master Plan is evidence that the City of Chandler recognizes both the challenges inherent in providing for the future

aviation needs as well as the importance of Chandler Municipal Airport to the community and Phoenix Metropolitan Area. The cost of maintaining a viable airport is an investment which can yield impressive benefits to a community. By maintaining a sound, flexible master plan, Chandler Municipal Airport will continue to be an economic asset and a source of pride for the residents of the City of Chandler and the surrounding region.

AIRPORT USERS

The FAA currently defines three broad categories of aviation activity: air carrier, general aviation, and military. Chandler Municipal Airport is served only by general aviation activity. General aviation includes every type of civil flying other than certificated air carriers and military. General aviation flying or usage falls into four major categories.



- **Business** - The use of an aircraft for executive or business transportation. This category consists of aircraft used by an organization and operated by professional pilots to transport its employees and property (not for compensation or hire) and aircraft used by an individual for transportation required for his or her business.
- **Commercial** - The use of an aircraft for commercial purpose (other than commuter and air carrier), including: air taxi, aerial application, special industrial usage, aerial surveys, advertising, aerial photography, and emergency medical transportation.
- **Instructional** - The use of an aircraft for flight training under the supervision of an instructor.
- **Personal** - The use of an aircraft for a variety of personal reasons.

General aviation is the largest and most significant element of the national air transportation system. According to the **National Plan of Integrated Airport Systems** (NPIAS), general aviation aircraft constitute approximately 98 percent of all aircraft in use today. Certificated airlines serve fewer than 600 airports in the country, while there are more than 15,000 general aviation airports in the United States. General aviation provides the time saving link for corporate travel that has made the shift to smaller communities feasible and extremely attractive.

STUDY OBJECTIVES

To accomplish the objective of this study, the Airport Master Plan will supply the following information:

- **Inventory of Existing Conditions** - Assemble and organize relevant information and data for Chandler Municipal Airport, the City of Chandler, and Maricopa County.
- **Forecasts** - Develop detailed projections of future aviation activity, by quantity and type.
- **Facility Requirements** - Estimate the current and future levels of airfield capacity and delay. Identify the facility requirements needed to meet projected demand for existing, short, intermediate, and long term time frames.
- **Airport Alternatives** - Evaluate concepts of the various alternatives for airport development as determined by current and future facility requirements.
- **Airport Layout Plan** - Refine the recommended airport development concept into the airport's final plan for development.
- **Financial Plan** - Prepare a capital improvement program to assist in the implementation of the recommended development plan. Establish development priorities, schedule proposed development items and estimate

development costs, as well as a determination of the airport's future cash flow. Conduct a rates and charge analysis and prepare "draft" policy regarding rates and charges.

One of the most important elements of the planning process is the direct involvement of those parties which could potentially be most affected by the results of this study. This is accomplished through the use of a Planning Advisory Committee (PAC), which reviews the work of the study team. The PAC will meet four times during the preparation of the Airport Master Plan document. In addition, two Public Information Workshops will be held during the preparation of the study, providing the general public with an opportunity to obtain information about the study and to present comments and concerns. With the assistance of local input, the Master Plan for Chandler Municipal Airport will reflect the necessary future development needed to meet the growing aviation demands of both the community and the region.

AIRPORT ROLE

Owned and operated by the City of Chandler, the Chandler Municipal Airport is classified in the **NPIAS** as a reliever airport to Phoenix Sky Harbor International Airport. The 290 reliever airports across the country have an average of 207 based aircraft and account for 29 percent of the nation's general aviation fleet. Reliever airports are located in major metropolitan areas and serve to provide pilots with an attractive alternative to using congested hub airports. Airports classified in the NPIAS are eligible for federal funding from the Airport Improvement Program (AIP).

This Master Plan will examine and consider all of the activities currently taking place at Chandler Municipal Airport and strive to produce a plan that will support all airport users while at the same time remain sensitive to environmental and community concerns.